

## Table ENG-1. - Construction Materials

King and Queen County, Virginia

The information in this table indicates the dominant soil condition but does not eliminate the need for onsite investigation. The numbers in the value columns range from 0.00 to 0.99. The greater the value, the greater the likelihood that the bottom layer or thickest layer of the soil is a source of sand or gravel.

Map Symbol and Soil Name	Pct of Map Unit	Potential Source of Gravel		Potential Source of Sand	
		Rating Class and Limiting Features	Value	Rating Class and Limiting Features	Value
1A:					
Augusta	80	Poor		Fair	
		Bottom layer	0.00	Thickest layer	0.03
		Thickest layer	0.00	Bottom layer	0.09
Munden	6	Not Rated		Not Rated	
Tetotum	5	Not Rated		Not Rated	
Roanoke	4	Not Rated		Not Rated	
Tomotley	3	Not Rated		Not Rated	
Wahee	2	Not Rated		Not Rated	
2A:					
Bojac	80	Poor		Fair	
		Bottom layer	0.00	Thickest layer	0.10
		Thickest layer	0.00	Bottom layer	0.22
Munden	6	Not Rated		Not Rated	
State	6	Not Rated		Not Rated	
Tarboro	4	Not Rated		Not Rated	
Craven	2	Not Rated		Not Rated	
Tetotum	2	Not Rated		Not Rated	
2B:					
Bojac	80	Poor		Fair	
		Bottom layer	0.00	Thickest layer	0.10
		Thickest layer	0.00	Bottom layer	0.22
Munden	6	Not Rated		Not Rated	
State	6	Not Rated		Not Rated	
Tarboro	4	Not Rated		Not Rated	
Craven	2	Not Rated		Not Rated	
Tetotum	2	Not Rated		Not Rated	

3A:

**Table ENG-1. - Construction Materials - Continued**

King and Queen County, Virginia

Map Symbol and Soil Name	Pct of Map Unit	Potential Source of Gravel		Potential Source of Sand	
		Rating Class and Limiting Features	Value	Rating Class and Limiting Features	Value
3A:					
Craven	80	Poor		Fair	
		Bottom layer	0.00	Thickest layer	0.00
		Thickest layer	0.00	Bottom layer	0.06
Mattaponi	5	Not Rated		Not Rated	
Slagle	5	Not Rated		Not Rated	
Emporia	4	Not Rated		Not Rated	
Tetotum	2	Not Rated		Not Rated	
Bojac	1	Not Rated		Not Rated	
Munden	1	Not Rated		Not Rated	
Rumford	1	Not Rated		Not Rated	
State	1	Not Rated		Not Rated	
3B:					
Craven	80	Poor		Fair	
		Bottom layer	0.00	Thickest layer	0.00
		Thickest layer	0.00	Bottom layer	0.06
Mattaponi	5	Not Rated		Not Rated	
Slagle	5	Not Rated		Not Rated	
Emporia	4	Not Rated		Not Rated	
Tetotum	2	Not Rated		Not Rated	
Bojac	1	Not Rated		Not Rated	
Munden	1	Not Rated		Not Rated	
Rumford	1	Not Rated		Not Rated	
State	1	Not Rated		Not Rated	
3C:					
Craven	80	Poor		Fair	
		Bottom layer	0.00	Thickest layer	0.00
		Thickest layer	0.00	Bottom layer	0.06
Mattaponi	5	Not Rated		Not Rated	
Slagle	5	Not Rated		Not Rated	
Emporia	4	Not Rated		Not Rated	

**Table ENG-1. - Construction Materials - Continued**

King and Queen County, Virginia

Map Symbol and Soil Name	Pct of Map Unit	Potential Source of Gravel		Potential Source of Sand	
		Rating Class and Limiting Features	Value	Rating Class and Limiting Features	Value
3C:					
Tetotum	2	Not Rated		Not Rated	
Bojac	1	Not Rated		Not Rated	
Munden	1	Not Rated		Not Rated	
Rumford	1	Not Rated		Not Rated	
State	1	Not Rated		Not Rated	
4A:					
Emporia	80	Poor		Fair	
		Bottom layer	0.00	Thickest layer	0.03
		Thickest layer	0.00	Bottom layer	0.05
Rumford	5	Not Rated		Not Rated	
Slagle	5	Not Rated		Not Rated	
Suffolk	5	Not Rated		Not Rated	
Mattaponi	3	Not Rated		Not Rated	
Craven	2	Not Rated		Not Rated	
4B:					
Emporia	80	Poor		Fair	
		Bottom layer	0.00	Thickest layer	0.03
		Thickest layer	0.00	Bottom layer	0.05
Rumford	5	Not Rated		Not Rated	
Slagle	5	Not Rated		Not Rated	
Suffolk	5	Not Rated		Not Rated	
Mattaponi	3	Not Rated		Not Rated	
Craven	2	Not Rated		Not Rated	
4C:					
Emporia	80	Poor		Fair	
		Bottom layer	0.00	Thickest layer	0.03
		Thickest layer	0.00	Bottom layer	0.05
Rumford	5	Not Rated		Not Rated	
Slagle	5	Not Rated		Not Rated	
Suffolk	5	Not Rated		Not Rated	

**Table ENG-1. - Construction Materials - Continued**

King and Queen County, Virginia

Map Symbol and Soil Name	Pct of Map Unit	Potential Source of Gravel		Potential Source of Sand	
		Rating Class and Limiting Features	Value	Rating Class and Limiting Features	Value
4C:					
Mattaponi	3	Not Rated		Not Rated	
Craven	2	Not Rated		Not Rated	
5D:					
Emporia	35	Poor		Fair	
		Bottom layer	0.00	Thickest layer	0.03
		Thickest layer	0.00	Bottom layer	0.05
Slagle	30	Poor		Fair	
		Bottom layer	0.00	Thickest layer	0.00
		Thickest layer	0.00	Bottom layer	0.02
Rumford	25	Poor		Fair	
		Bottom layer	0.00	Thickest layer	0.10
		Thickest layer	0.00	Bottom layer	>0.99
Craven	3	Not Rated		Not Rated	
Mattaponi	3	Not Rated		Not Rated	
Suffolk	2	Not Rated		Not Rated	
Bibb	1	Not Rated		Not Rated	
Kinston	1	Not Rated		Not Rated	
5E:					
Emporia	35	Poor		Fair	
		Bottom layer	0.00	Thickest layer	0.03
		Thickest layer	0.00	Bottom layer	0.05
Slagle	30	Poor		Fair	
		Bottom layer	0.00	Thickest layer	0.00
		Thickest layer	0.00	Bottom layer	0.02
Rumford	25	Poor		Fair	
		Bottom layer	0.00	Thickest layer	0.10
		Thickest layer	0.00	Bottom layer	>0.99
Craven	3	Not Rated		Not Rated	
Mattaponi	3	Not Rated		Not Rated	
Suffolk	2	Not Rated		Not Rated	
Bibb	1	Not Rated		Not Rated	
Kinston	1	Not Rated		Not Rated	

6A:

**Table ENG-1. - Construction Materials - Continued**

King and Queen County, Virginia

Map Symbol and Soil Name	Pct of Map Unit	Potential Source of Gravel		Potential Source of Sand	
		Rating Class and Limiting Features	Value	Rating Class and Limiting Features	Value
6A:					
Faceville	85	Poor		Fair	
		Bottom layer	0.00	Bottom layer	0.00
		Thickest layer	0.00	Thickest layer	0.01
Mattaponi	8	Not Rated		Not Rated	
Suffolk	4	Not Rated		Not Rated	
Slagle	3	Not Rated		Not Rated	
6B:					
Faceville	85	Poor		Fair	
		Bottom layer	0.00	Bottom layer	0.00
		Thickest layer	0.00	Thickest layer	0.01
Mattaponi	8	Not Rated		Not Rated	
Suffolk	4	Not Rated		Not Rated	
Slagle	3	Not Rated		Not Rated	
7A:					
Kinston	45	Poor		Fair	
		Bottom layer	0.00	Bottom layer	0.00
		Thickest layer	0.00	Thickest layer	0.09
Bibb	35	Poor		Fair	
		Bottom layer	0.00	Bottom layer	0.09
		Thickest layer	0.00	Thickest layer	0.10
Levy	5	Not Rated		Not Rated	
Rappahannock	5	Not Rated		Not Rated	
Roanoke	5	Not Rated		Not Rated	
Tomotley	5	Not Rated		Not Rated	
8A:					
Levy	80	Poor		Poor	
		Bottom layer	0.00	Bottom layer	0.00
		Thickest layer	0.00	Thickest layer	0.00
Bibb	5	Not Rated		Not Rated	
Kinston	5	Not Rated		Not Rated	
Rappahannock	5	Not Rated		Not Rated	
Roanoke	3	Not Rated		Not Rated	

**Table ENG-1. - Construction Materials - Continued**

King and Queen County, Virginia

Map Symbol and Soil Name	Pct of Map Unit	Potential Source of Gravel		Potential Source of Sand	
		Rating Class and Limiting Features	Value	Rating Class and Limiting Features	Value
8A:					
Tomotley	2	Not Rated		Not Rated	
9A:					
Mattaponi	80	Poor		Fair	
		Bottom layer	0.00	Bottom layer	0.00
		Thickest layer	0.00	Thickest layer	0.09
Emporia	6	Not Rated		Not Rated	
Craven	5	Not Rated		Not Rated	
Slagle	4	Not Rated		Not Rated	
Faceville	3	Not Rated		Not Rated	
Rumford	1	Not Rated		Not Rated	
Suffolk	1	Not Rated		Not Rated	
9B:					
Mattaponi	80	Poor		Fair	
		Bottom layer	0.00	Bottom layer	0.00
		Thickest layer	0.00	Thickest layer	0.09
Emporia	6	Not Rated		Not Rated	
Craven	5	Not Rated		Not Rated	
Slagle	4	Not Rated		Not Rated	
Faceville	3	Not Rated		Not Rated	
Rumford	1	Not Rated		Not Rated	
Suffolk	1	Not Rated		Not Rated	
9C:					
Mattaponi	80	Poor		Fair	
		Bottom layer	0.00	Bottom layer	0.00
		Thickest layer	0.00	Thickest layer	0.09
Emporia	6	Not Rated		Not Rated	
Craven	5	Not Rated		Not Rated	
Slagle	4	Not Rated		Not Rated	
Faceville	3	Not Rated		Not Rated	
Rumford	1	Not Rated		Not Rated	

**Table ENG-1. - Construction Materials - Continued**

King and Queen County, Virginia

Map Symbol and Soil Name	Pct of Map Unit	Potential Source of Gravel		Potential Source of Sand	
		Rating Class and Limiting Features	Value	Rating Class and Limiting Features	Value
9C:					
Suffolk	1	Not Rated		Not Rated	
10A:					
Munden	80	Poor		Fair	
		Bottom layer	0.00	Thickest layer	0.09
		Thickest layer	0.00	Bottom layer	0.95
Bojac	5	Not Rated		Not Rated	
State	5	Not Rated		Not Rated	
Tarboro	4	Not Rated		Not Rated	
Tetotum	4	Not Rated		Not Rated	
Craven	2	Not Rated		Not Rated	
10B:					
Munden	80	Poor		Fair	
		Bottom layer	0.00	Thickest layer	0.09
		Thickest layer	0.00	Bottom layer	0.95
Bojac	5	Not Rated		Not Rated	
State	5	Not Rated		Not Rated	
Tarboro	4	Not Rated		Not Rated	
Tetotum	4	Not Rated		Not Rated	
Craven	2	Not Rated		Not Rated	
11A:					
Pits, gravel	85	Fair		Fair	
		Bottom layer	0.13	Thickest layer	0.71
		Thickest layer	0.25	Bottom layer	0.71
Dumps	5	Not Rated		Not Rated	
Landfills	5	Not Rated		Not Rated	
Water	5	Not Rated		Not Rated	
12A:					
Rappahannock	80	Not Rated		Fair	
				Thickest layer	0.00
				Bottom layer	0.09
				No organic matter limitation	>0.99

**Table ENG-1. - Construction Materials - Continued**

King and Queen County, Virginia

Map Symbol and Soil Name	Pct of Map Unit	Potential Source of Gravel		Potential Source of Sand	
		Rating Class and Limiting Features	Value	Rating Class and Limiting Features	Value
12A:					
Bibb	5	Not Rated		Not Rated	
Kinston	5	Not Rated		Not Rated	
Levy	5	Not Rated		Not Rated	
Roanoke	3	Not Rated		Not Rated	
Tomotley	2	Not Rated		Not Rated	
13A:					
Roanoke	80	Poor		Fair	
		Thickest layer	0.00	Thickest layer	0.00
		Bottom layer	0.00	Bottom layer	0.03
Tomotley	6	Not Rated		Not Rated	
Wahee	5	Not Rated		Not Rated	
Augusta	4	Not Rated		Not Rated	
Bibb	2	Not Rated		Not Rated	
Kinston	2	Not Rated		Not Rated	
Levy	1	Not Rated		Not Rated	
14B:					
Rumford	80	Poor		Fair	
		Bottom layer	0.00	Thickest layer	0.10
		Thickest layer	0.00	Bottom layer	>0.99
Suffolk	8	Not Rated		Not Rated	
Emporia	5	Not Rated		Not Rated	
Slagle	3	Not Rated		Not Rated	
Craven	2	Not Rated		Not Rated	
Mattaponi	2	Not Rated		Not Rated	
14C:					
Rumford	80	Poor		Fair	
		Bottom layer	0.00	Thickest layer	0.10
		Thickest layer	0.00	Bottom layer	>0.99
Suffolk	8	Not Rated		Not Rated	
Emporia	5	Not Rated		Not Rated	



# Table ENG-1. - Construction Materials - Continued

King and Queen County, Virginia

Map Symbol and Soil Name	Pct of Map Unit	Potential Source of Gravel		Potential Source of Sand	
		Rating Class and Limiting Features	Value	Rating Class and Limiting Features	Value
14C:					
Slagle	3	Not Rated		Not Rated	
Craven	2	Not Rated		Not Rated	
Mattaponi	2	Not Rated		Not Rated	
15A:					
Slagle	80	Poor		Fair	
		Bottom layer	0.00	Thickest layer	0.00
		Thickest layer	0.00	Bottom layer	0.02
Craven	5	Not Rated		Not Rated	
Emporia	5	Not Rated		Not Rated	
Mattaponi	5	Not Rated		Not Rated	
Suffolk	3	Not Rated		Not Rated	
Rumford	2	Not Rated		Not Rated	
15B:					
Slagle	80	Poor		Fair	
		Bottom layer	0.00	Thickest layer	0.00
		Thickest layer	0.00	Bottom layer	0.02
Craven	5	Not Rated		Not Rated	
Emporia	5	Not Rated		Not Rated	
Mattaponi	5	Not Rated		Not Rated	
Suffolk	3	Not Rated		Not Rated	
Rumford	2	Not Rated		Not Rated	
15C:					
Slagle	80	Poor		Fair	
		Bottom layer	0.00	Thickest layer	0.00
		Thickest layer	0.00	Bottom layer	0.02
Craven	5	Not Rated		Not Rated	
Emporia	5	Not Rated		Not Rated	
Mattaponi	5	Not Rated		Not Rated	
Suffolk	3	Not Rated		Not Rated	
Rumford	2	Not Rated		Not Rated	

16A:

**Table ENG-1. - Construction Materials - Continued**

King and Queen County, Virginia

Map Symbol and Soil Name	Pct of Map Unit	Potential Source of Gravel		Potential Source of Sand	
		Rating Class and Limiting Features	Value	Rating Class and Limiting Features	Value
16A:					
State	80	Poor		Fair	
		Bottom layer	0.00	Thickest layer	0.00
		Thickest layer	0.00	Bottom layer	0.10
Bojac	5	Not Rated		Not Rated	
Munden	5	Not Rated		Not Rated	
Tetotum	5	Not Rated		Not Rated	
Tarboro	3	Not Rated		Not Rated	
Craven	2	Not Rated		Not Rated	
16B:					
State	80	Poor		Fair	
		Bottom layer	0.00	Thickest layer	0.00
		Thickest layer	0.00	Bottom layer	0.10
Bojac	5	Not Rated		Not Rated	
Munden	5	Not Rated		Not Rated	
Tetotum	5	Not Rated		Not Rated	
Tarboro	3	Not Rated		Not Rated	
Craven	2	Not Rated		Not Rated	
17A:					
Suffolk	80	Poor		Fair	
		Bottom layer	0.00	Thickest layer	0.06
		Thickest layer	0.00	Bottom layer	0.39
Emporia	5	Not Rated		Not Rated	
Rumford	5	Not Rated		Not Rated	
Slagle	5	Not Rated		Not Rated	
Mattaponi	3	Not Rated		Not Rated	
Craven	2	Not Rated		Not Rated	
17B:					
Suffolk	80	Poor		Fair	
		Bottom layer	0.00	Thickest layer	0.06
		Thickest layer	0.00	Bottom layer	0.39
Emporia	5	Not Rated		Not Rated	

**Table ENG-1. - Construction Materials - Continued**

King and Queen County, Virginia

Map Symbol and Soil Name	Pct of Map Unit	Potential Source of Gravel		Potential Source of Sand	
		Rating Class and Limiting Features	Value	Rating Class and Limiting Features	Value
17B:					
Rumford	5	Not Rated		Not Rated	
Slagle	5	Not Rated		Not Rated	
Mattaponi	3	Not Rated		Not Rated	
Craven	2	Not Rated		Not Rated	
17C:					
Suffolk	80	Poor		Fair	
		Bottom layer	0.00	Thickest layer	0.06
		Thickest layer	0.00	Bottom layer	0.39
Emporia	5	Not Rated		Not Rated	
Rumford	5	Not Rated		Not Rated	
Slagle	5	Not Rated		Not Rated	
Mattaponi	3	Not Rated		Not Rated	
Craven	2	Not Rated		Not Rated	
18B:					
Tarboro	80	Poor		Fair	
		Bottom layer	0.00	Thickest layer	0.93
		Thickest layer	0.00	Bottom layer	>0.99
Bojac	8	Not Rated		Not Rated	
State	6	Not Rated		Not Rated	
Munden	4	Not Rated		Not Rated	
Tetotum	2	Not Rated		Not Rated	
19A:					
Tetotum	80	Poor		Fair	
		Bottom layer	0.00	Thickest layer	0.03
		Thickest layer	0.00	Bottom layer	0.09
Augusta	4	Not Rated		Not Rated	
State	4	Not Rated		Not Rated	
Bojac	3	Not Rated		Not Rated	
Munden	3	Not Rated		Not Rated	
Wahee	3	Not Rated		Not Rated	

**Table ENG-1. - Construction Materials - Continued**

King and Queen County, Virginia

Map Symbol and Soil Name	Pct of Map Unit	Potential Source of Gravel		Potential Source of Sand	
		Rating Class and Limiting Features	Value	Rating Class and Limiting Features	Value
19A:					
Tarboro	2	Not Rated		Not Rated	
Craven	1	Not Rated		Not Rated	
19B:					
Tetotum	80	Poor		Fair	
		Bottom layer	0.00	Thickest layer	0.03
		Thickest layer	0.00	Bottom layer	0.09
Augusta	4	Not Rated		Not Rated	
State	4	Not Rated		Not Rated	
Bojac	3	Not Rated		Not Rated	
Munden	3	Not Rated		Not Rated	
Wahee	3	Not Rated		Not Rated	
Tarboro	2	Not Rated		Not Rated	
Craven	1	Not Rated		Not Rated	
19C:					
Tetotum	80	Poor		Fair	
		Bottom layer	0.00	Thickest layer	0.03
		Thickest layer	0.00	Bottom layer	0.09
Augusta	4	Not Rated		Not Rated	
State	4	Not Rated		Not Rated	
Bojac	3	Not Rated		Not Rated	
Munden	3	Not Rated		Not Rated	
Wahee	3	Not Rated		Not Rated	
Tarboro	2	Not Rated		Not Rated	
Craven	1	Not Rated		Not Rated	
20A:					
Tomotley	80	Poor		Fair	
		Bottom layer	0.00	Thickest layer	0.03
		Thickest layer	0.00	Bottom layer	0.10
Roanoke	5	Not Rated		Not Rated	
Wahee	5	Not Rated		Not Rated	

**Table ENG-1. - Construction Materials - Continued**

King and Queen County, Virginia

Map Symbol and Soil Name	Pct of Map Unit	Potential Source of Gravel		Potential Source of Sand	
		Rating Class and Limiting Features	Value	Rating Class and Limiting Features	Value
20A:					
Augusta	4	Not Rated		Not Rated	
Bibb	2	Not Rated		Not Rated	
Kinston	2	Not Rated		Not Rated	
Levy	1	Not Rated		Not Rated	
Rappahannock	1	Not Rated		Not Rated	
21A:					
Wahee	80	Poor		Fair	
		Bottom layer	0.00	Thickest layer	0.00
		Thickest layer	0.00	Bottom layer	0.07
Roanoke	5	Not Rated		Not Rated	
Tomotley	5	Not Rated		Not Rated	
Augusta	4	Not Rated		Not Rated	
Munden	3	Not Rated		Not Rated	
Tetotum	3	Not Rated		Not Rated	
W:					
Water	100	Not Rated		Not Rated	